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TECH CENTER 1600/2900

## SEQUENCE LISTING

<110> GOLD, DANIEL P.  
SHOPES, ROBERT J.

<120> METHOD AND COMPOSITION FOR ALTERING A B CELL MEDIATED  
PATHOLOGY

<130> 032077.0003

<140> 09/927,121

<141> 2001-08-10

<160> 93

<170> PatentIn Ver. 2.1

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<211> 46

<212> DNA

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<220>

<223> Description of Artificial Sequence: Primer

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46

<210> 9

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<210> 10  
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<210> 13  
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<210> 14

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<210> 16  
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<212> DNA  
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<210> 17  
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<210> 18  
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<210> 19

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<223> Description of Artificial Sequence: Primer

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<210> 21  
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<210> 22  
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<210> 30  
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<223> Description of Artificial Sequence: Primer

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<210> 31  
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<210> 33  
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<400> 33  
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<210> 34  
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<220>

<223> Description of Artificial Sequence: Primer

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<210> 35

<211> 23

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 35

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<210> 36

<211> 24

<212> DNA

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<220>

<223> Description of Artificial Sequence: Primer

<400> 36

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<210> 37

<211> 23

<212> DNA

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<223> Description of Artificial Sequence: Primer

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<210> 38

<211> 22

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 38

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<210> 44  
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<400> 45  
acaatgtctg tctccttcct catc 24

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tcagctcctg gggctgctaa tg 22

<210> 48  
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<220>  
<223> Description of Artificial Sequence: Primer

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cttcctcctg ctactctggc tc 22

<210> 49  
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<400> 49  
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<210> 50  
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<400> 50  
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<210> 51  
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<400> 51  
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<210> 52  
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<400> 52  
tcactgyrca gggtcctggg c 21

<210> 53  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 53  
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<210> 55  
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<400> 55  
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<210> 56  
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<210> 57  
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<400> 57  
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<210> 58

<211> 24  
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 <210> 60  
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 <210> 61  
 <211> 22  
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 <210> 62  
 <211> 22  
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 <220>  
 <223> Description of Artificial Sequence: Primer  
  
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<210> 63  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 63  
cttgctgccc aggtccaat tc 22

<210> 64  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 64  
tgcttatgga tcaggagtgg attc 24

<210> 65  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 65  
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<210> 66  
<211> 23  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 66  
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<210> 67  
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<212> DNA  
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<400> 67  
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ggagtctggg 70

<210> 68  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 68  
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<210> 69  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 69  
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<210> 70  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 70  
gggaattctc acaggagacg agg 23

<210> 71  
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<212> DNA  
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<223> Description of Artificial Sequence: Primer

<400> 71  
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<210> 72  
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<223> Description of Artificial Sequence: Primer

<400> 72

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24

<210> 73

<211> 23

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 73

ggaagtagtc cttgaccagg cag

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<210> 74

<211> 25

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 74

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25

<210> 75

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<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 75

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<210> 76

<211> 34

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 76

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34

<210> 77  
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<223> Description of Artificial Sequence: Primer

<400> 77  
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<400> 78  
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<210> 79  
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<400> 79  
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<210> 80  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 80  
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<210> 81  
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<220>  
<223> Description of Artificial Sequence: Primer



<400> 81  
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13

<210> 82  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 82  
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<210> 83  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 83  
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9

<210> 84  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 84  
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16

<210> 85

<400> 85  
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<210> 86  
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<212> DNA  
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<400> 86  
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ccagggaagg ggctggagtg ggtggccaat ataaatcaag atggcagtca gacgtatcat 180  
gcggactctg taaagggccg atttaccatc tccagagaca acggcaggaa ctccctatct 240  
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acgtccagtg gcctggactg ctggggccaa ggaaccctgg tcaactgtctc ctcagcttcc 360  
accaagggcc c 371

<210> 87  
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<212> DNA  
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<400> 87  
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agattcagtg gcagtgggtc tgggacagac ttcactctca ccatcagtcg cctagagact 240  
gaagatgctg cagtttatta ctgtcagcaa ctttatttct ggctccgat attatttttc 300  
ggccctggga ccaaagtga taccacacga actgtggctg caccaagtg 349

<210> 88  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer

<400> 88  
gaagtcactt atgagacaca ccag 24

<210> 89  
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<220>  
<223> Description of Artificial Sequence: Plasmid pTRABac/9F12  
DNA sequence

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<211> 46  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 8  
cagatcacta gtttttatgg tcgtgtacat ttcttacatc tatgcg 46

<210> 9  
<211> 34  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 9  
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<210> 10  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 10  
ggaagtagtc cttgaccagg cag 23

<210> 11  
<211> 25  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 11  
gggaaaaggg ttgggcccgga tgcac 25

<210> 12  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 12  
gatgaagaca cttggtgcag ccacag 26

<210> 13  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 13  
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34

<210> 14

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<210> 15  
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37

<210> 16  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 16  
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37

<210> 17  
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<223> Description of Artificial Sequence: Primer

<400> 17  
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<210> 18

<211> 60  
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<220>  
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<400> 18  
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<210> 19  
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<220>  
<223> Description of Artificial Sequence: Primer

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37

<210> 20  
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<212> DNA  
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<223> Description of Artificial Sequence: Primer

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35

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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 21  
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43

<210> 22  
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<223> Description of Artificial Sequence: Primer

<400> 22  
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<210> 24

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<210> 25

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<223> Description of Artificial Sequence: Primer

<400> 25  
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18

<210> 26

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 26  
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<212> DNA

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<223> Description of Artificial Sequence: Primer

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<210> 28

<211> 21

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<223> Description of Artificial Sequence: Primer

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<210> 29  
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<210> 30  
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<210> 31  
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<210> 32  
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<220>  
 <223> Description of Artificial Sequence: Primer

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<210> 33  
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<220>  
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 <400> 37  
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<211> 22  
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<223> Description of Artificial Sequence: Primer

<400> 38

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22

<210> 39

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<223> Description of Artificial Sequence: Primer

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25

<210> 40

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<223> Description of Artificial Sequence: Primer

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25

<210> 41

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<223> Description of Artificial Sequence: Primer

<400> 41

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23

<210> 42

<211> 23

<212> DNA

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<220>

<223> Description of Artificial Sequence: Primer

<400> 42

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23

<210> 43  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 43  
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27

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23

<210> 45  
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<400> 45  
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24

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21

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22

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23

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<210> 50  
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<210> 51  
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<210> 52  
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<400> 52 21  
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<210> 53  
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<400> 53 21  
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<210> 54  
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<210> 55  
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<400> 55 24  
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<210> 56  
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<400> 56 24  
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<210> 57

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24

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<210> 58  
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<220>  
<223> Description of Artificial Sequence: Primer

24

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<210> 59  
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24

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<210> 60  
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22

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<210> 61  
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<220>  
<223> Description of Artificial Sequence: Primer

22

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<210> 62  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 62  
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22

<210> 63  
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<220>  
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<400> 63  
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22

<210> 64  
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<212> DNA  
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<400> 64  
tgcttatgga tcaggagtgg attc

24

<210> 65  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 65  
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22

<210> 66  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 66  
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23

<210> 67  
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<400> 67  
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ggagtctggg 70

<210> 68  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 68  
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<210> 69  
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<212> DNA  
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<223> Description of Artificial Sequence: Primer

<400> 69  
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<210> 70  
<211> 23  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 70  
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<210> 71  
<211> 22  
<212> DNA



<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

22

<400> 71

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<210> 72

<211> 24

<212> DNA

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<223> Description of Artificial Sequence: Primer

24

<400> 72

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<210> 73

<211> 23

<212> DNA

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<223> Description of Artificial Sequence: Primer

23

<400> 73

ggaagtagtc cttgaccagg cag

<210> 74

<211> 25

<212> DNA

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<220>

<223> Description of Artificial Sequence: Primer

25

<400> 74

gggaaaaggg ttgggcccga tgcac

<210> 75

<211> 25

<212> DNA

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<220>

<223> Description of Artificial Sequence: Primer

25

<400> 75

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<210> 76  
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<210> 77  
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<210> 78  
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<210> 79  
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<210> 80  
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16

<210> 81  
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<400> 81  
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13

<210> 82  
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<223> Description of Artificial Sequence: Primer

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17

<210> 83  
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<400> 83  
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9

<210> 84  
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<400> 84  
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16

<210> 85

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<210> 86  
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<400> 86  
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acgtccagtg gcctggactg ctggggccaa ggaaccctgg tcactgtctc ctcagcttcc 360  
accaagggcc c 371

<210> 87  
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<212> DNA  
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<400> 87  
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agattcagtg gcagtgggtc tgggacagac ttactctca ccatcagtcg cctagagact 240  
gaagatgctg cagtttatta ctgtcagcaa ctttatttct ggctccgat attatttttc 300  
ggccctggga ccaaagtga taccacacga actgtggctg caccaagtg 349

<210> 88  
<211> 24  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Primer

<400> 88  
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24

<210> 89  
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<223> Description of Artificial Sequence: Plasmid pTRABac/9F12  
DNA sequence

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cgctcgccctc caagtggcaa tattggcaaa ttcgaaaata tatacagttg ggttggttgc 180  
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